A4743-1U

EYE BANK ASSOCIATION of AMERICA

EYE BANKING STATISTICS

Donations	1987	1988	1989	1989-1988	1989-1987
Whole Eyes	55,633	57,940	56,368	-1,572	- 735
Corneal Only	24,843	25,818	25,060	- 758	- 217
All Donations	80,476	83,758	81,428	-2,330	- 952

Uses	1987	1988	1989	1989-1988	1989-1987
Corneal Grafts	35,930	36,900	38,464	+1,564	+2,534
Epikeratophakia	8,367	5,204	3,600	-1,604	-4,767
Research/Training	35,427	37,051	34,147	-2,904	-1,280
Not Used For Medical/Safety Purposes	725	2,747	3,283	+ 536	+2,558

Sources of Donation	1987	1988	1989
Whole Eyes			
Hospital	48,484	48,662	46,139
Funeral Director	4,916	7,795	7,576
Medical Examiner	829	450	1,201
Other Sources	1,404	1,036	1,452

Corneas	1987	1988	1989
Hospital	7,712	9,917	11,115
Funeral Director	285	86	419
Medical Examiner	16,567	15,169	12,828
Other Sources	279	646	698

Medical Indications for Transplant

The table below reflects the total number of medical indications reported for patients needing corneal transplants. Essentially, the trends are similar between 1988 and 1989. There was, however, a 5% increase in the number of pseudophakic corneal edema cases when comparing the two years. There is a 12% increase between 1988 and 1989 in the total number of indications for penetrating keratoplasty. The 13,103 indication reports are approximately 34% of the total number (38,464) of corneal transplants performed in the United States.

	1987	1988	1989
Pseudophakic Corneal Edema	2,128	2,528 (22%)	3,589 (27%)
Aphakic Corneal Edema	1,154	1,235 (10%)	1,289 (10%)
Fuchs' Dystrophy	1,332	1,652 (14%)	1,614 (12%)
Keratoconus	1,137	1,713 (15%)	1,926 (15%)
Previous Graft Failure	872	1,099 (9%)	1,390 (11%)
Traumatic Scars	799	1,021 (9%)	955 (7%)
Corneal Decompensation, Etiology Unknown	559	1,024 (9%)	782 (6%)
Corneal Perforation	385	417 (3%)	474 (4%)
Stromal Dystrophies	365	343 (3%)	361 (3%)
Interstital Keratitis	271	342 (3%)	405 (3%)
Herpes Simplex	228	312 (3%)	318 (2%)
TOTAL REPORTED:		11,686	13,103*

Foreign Tissue	1987	1988	1989
Outside United States and Canada	N/A	3,597	3,298

Laboratory Information	1987	1988	1989
Total of Hepatitis B Potential Positive Donors Turned Down	N/A	264	2,710
Total of HIV Potential Positive Donors Turned Down	N/A	505	2,607

SUMMARY BY CITY

CITY	TOTAL DONATIONS	LOCAL GRAFTS	LOCAL RES/TRG	SHARED GRAFTS	SHARED RES/TRG	TOTAL CORNEA GRAFTS
ABILENE	16	8	1	7		15
ALBANY	316	96	209	9		105
ALBUQUERQUE	166	50	27	11	58	61
AMARILLO	34	21			2	21
ANN ARBOR	3,130	1,891	990	181		2,072
ATLANTA	1,610	856	552	34		890
AUGUSTA	296	42	201	24		66
AUSTIN	240	109		83		192
BALTIMORE	2,948	201	1,182	700	105	901
BATON ROUGE	60	10	22	11		21
BIRMINGHAM	2,000	704	340	432	156	1,136
BOISE	153	47	45	38	8	85
BOSTON	1,901	656	555	335	81	991
BUFFALO	236	116	33	31	4	147
CALGARY	248	136	51	4	4	140
CANTON	70	41	25	4		45
CHATTANOOGA	134	61	53	10		71
CINCINNATI	1,141	222	302	157	172	379
CLEVELAND	1,363	493	470	62	260	555
COLUMBIA-MO	1,304	221	634	449		670
COLUMBUS	683	250	420	11	2	261
CORPUS CHRISTI	242	78	2	70	32	148
DALLAS	679	404	200	62	4	466
DAYTON	743	241	326	133	24	374
DENVER	94	16	42	20	10	36
DENVER-LIONS	1,657	417	479	388	12	805

SUMMARY BY CITY

CITY	TOTAL DONATIONS	LOCAL GRAFTS	LOCAL RES/TRG	SHARED GRAFTS	SHARED RES/TRG	TOTAL CORNEA GRAFTS
EL PASO	248	109		95		204
ERIE	96	12	26	3	4	15
FORT WORTH	288	126	91	6		132
FRESNO	282	70		156	6	226
GAINESVILLE	899	95	469	53	72	148
HERSHEY	34	18	8	2		20
HONOLULU	36	30				30
HOUSTON	3,869	720	916	1,978		2,698
INDIANAPOLIS	120	78	11			78
INDIANAPOLIS LION	568	148	367	31		179
IOWA CITY	555	252	279	24		276
JACKSON	189	121	29	34		155
KANSAS CITY-KS	602	144	414	42		186
KANSAS CITY-MO	892	197	599	38	23	235
KNOXVILLE	216	117	55	10	25	127
LACKLAND AFB	34	28	2	4		32
LAS VEGAS	85	49	24	12		61
LEXINGTON	377	178	110	63		241
LITTLE ROCK	308	147	141	18		165
LITTLE ROCK E&K	24	8	10	4		12
LOMA LINDA	1,088	183	108	532	118	715
LOS ANGELES-TBI	2,755	1,505	841			1,505
LOS ANGELES-UCLA	68	56	12			56
LOUISVILLE	382	250	117	13	2	263
LUBBOCK	53	13	14	12	4	25
MADISON	1,979	211	951	690	42	901

SUMMARY BY CITY

CITY	TOTAL DONATIONS	LOCAL GRAFTS	LOCAL RES/TRG	SHARED GRAFTS	SHARED RES/TRG	TOTAL CORNEA GRAFTS
MANHASSET	119	82	11	9		91
MEMPHIS	522	212	233	18		230
MIAMI	2,534	1,749	785			1,749
MILWAUKEE	1,620	206	1,359	4	44	210
MINNEAPOLIS	2,001	566	1,134	103		669
MISSOULA	522	68	155	186	73	254
NASHVILLE	239	163	1	21		184
NEW BRITAIN	739	284	435	20		304
NEW ORLEANS	466	238	191	32	2	270
NEW YORK CITY	1,077	596	405	5		601
NEWARK	398	161	218	4		165
NORFOLK	540	83	261	164	28	247
NORMAL	172	54	14	36	43	90
OKLAHOMA CITY	378	238	72			238
OMAHA	608	234	82	141	97	375
ONTARIO	1,632	1,050	511	21		1,071
ORANGE	205	64	54	41		105
ORLANDO	2,099	599	40	212	738	811
PHILADELPHIA	1,455	463	865	9		472
PHOENIX	2,206	464	509	556	520	1,020
PITTSBURGH	997	340	238	63	29	403
PORTLAND	254	64	152	32		96
PORTLAND-LIONS	2,416	245	1,548	167	134	412
RICHMOND	758	227	214	147	165	374
ROANOKE	147	35	110	2		37
ROCHESTER-MN	572	52	472	48		100

SUMMARY BY CITY

CITY	TOTAL DONATIONS	LOCAL GRAFTS	LOCAL RES/TRG	SHARED GRAFTS	SHARED RES/TRG	TOTAL CORNEA GRAFTS
ROCHESTER-NY	1,550	172	521	167	653	339
SACRAMENTO	409	214	143	11	26	225
SALT LAKE CITY	524	331	137	8		339
SAN ANTONIO	469	252	166	51		303
SAN DIEGO	2,116	473	805	414	167	887
SAN FRANCISCO	836	310	440	16		326
SAN JUAN	150	128	6			128
SANTA ANA	911	193	197	425	44	618
SASKATOON	116	78	16			78
SEABROOK	725	69	332	292		361
SEATTLE	2,464	558	295	73	462	631
SHEFFIELD	72	3	29	12	8	15
SHREVEPORT	384	102	32	74	6	176
SIOUX FALLS	84	10	53	15	6	25
SOUTH CHARLESTON	393	154	26	141		295
ST. LOUIS EYE BANK	608	294	273	27	4	321
ST. LOUIS-ARC	404	78	340	29		107
SYRACUSE	441	220	171			220
TAMPA	1,886	305	348	530	523	835
TAMPA - LIFE LINK	638	331	203	104		435
TEMPLE	51	19	31	1		20
TOLEDO	112	58	14	18		76
TYLER	18	12	4			12
VANCOUVER	687	335	233	6	6	341
WASHINGTON	234	12	110	42	16	54
WEST COLUMBIA	431	135	175	68	4	203

SUMMARY BY CITY

CITY	TOTAL DONATIONS	LOCAL GRAFTS	LOCAL RES/TRG	SHARED GRAFTS	SHARED RES/TRG	TOTAL CORNEA GRAFTS
WICHITA	188	96	23	4	24	100
WILMINGTON	495	216	169	27		243
WINNIPEG	260	103	142		2	103
WINSTON-SALEM	1,585	630	658	102	177	732
	108 81,428	26,680	28,916	11,784	5,231	38,464

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EYE BANK ASSOCIATION of AMERICA

30 Years of Providing Sight

April 26, 1991

MEMO

TO: EBAA Members

FROM: EBAA Office

RE: 1990 Eye Banking Statistics

We salute our eye bank members engaged in observance of National Organ and Tissue Donor Awareness Week, April 21 - 26th.

Enclosed is the Statistical Report of 1990 Eye Bank Activity figures. Please note the following factors which must be cited to ensure statistical validity from one year to the next.

I. The 1990 report does not include figures for three eye banks that were included in the 1989 report:

1989 Statistics

	Total Corneal Grafts	Total Donations
(1) Las Vegas, NV	61	85
(2) Tampa-Lifelink	435	638
(3) St.Louis (ARC)	107	404
Total:	603	1127

II. In addition, the 1990 report includes activity figures from two new sources:

	Total Corneal Grafts	Total Donations
(1) Springfield, Il.	~~38~~ 40	106
(2) Bethlehem, PA	~~616~~ 256	616
Total:	~~654~~ 296	722

-Over-

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To repeat, these factors must be taken into account when extrapolating totals for last year and this year. Therefore, total donations reported for 1990 were: 86,076; for 1989, 81,428. Total corneal grafts for 1990 were: 40,631; for 1989, 38,464.

As with our 1989 figures, we are grateful to Scott MacRae, MD, for providing a summary based on statistics received for medical indications for transplant. It is also enclosed. We do encourage all ophthalmologists who perform corneal surgery to supply their source eye bank with surgery indications so that our report can be as accurate - and useful - as possible.

Again, as with last year, our receipt of data was slow and inconsistent; it affects our ability to publish in timely fashion and we request your early attention to this in the future. We hope that the monthly chart provided to our members in early January will be of assistance in reporting figures for 1991. We welcome any suggestions!

EYE BANK ASSOCIATION of AMERICA

EYE BANKING STATISTICS

Donations	1988	1989	1990	1990-1988	1990-1989
Whole Eyes	57,940	56,368	57,250	- 690	+ 882
Corneal Only	25,818	25,060	28,826	+3,008	+3,766
All Donations	83,758	81,428	86,076	+2,318	+4,648

Uses	1988	1989	1990	1990-1988	1990-1989
Corneal Grafts	36,900	38,464	40,631	+3,731	+2,167
Epikeratophakia	5,204	3,600	2,840	-2,364	- 760
Research/Training	37,051	34,147	38,364	-1,313	+4,217
Not Used For Medical/Safety Purposes	2,747	3,283	3,669	+ 922	+ 386

Sources of Donation	1988	1989	1990
Whole Eyes			
Hospital	48,662	46,139	50,448
Funeral Director	7,795	7,576	4,579
Medical Examiner	450	1,201	1,007
Other Sources	1,036	1,452	1,216

Corneas	1988	1989	1990
Hospital	9,917	11,115	13,474
Funeral Director	86	419	370
Medical Examiner	15,169	12,828	14,520
Other Sources	646	698	462

Medical Indications for Transplant

The table below reflects the total number of medical indications reported for patients needing corneal transplant. Essentially, the trends are similar between 1989 and 1990. There was a 7% decrease in the percent of pseudophakic corneal edema cases reported in 1990, compared to 1989. There was approximately a 27% increase in the number of cases reported between 1989 and 1990. The 17,872 reports are approximately 44% of the total number (40,631) of corneal transplants performed in the United States.

	1988	1989	1990
Pseudophakic Corneal Edema	2,528 (22%)	3,589 (27%)	904 (5.1%)
Aphakic Corneal Edema	1,235 (10%)	1,289 (10%)	734 (4.1%)
Fuchs' Dystrophy	1,652 (14%)	1,614 (12%)	2,023 (11.3%)
Keratoconus	1,713 (15%)	1,926 (15%)	2,299 (12.9%)
Previous Graft Failure	1,099 (9%)	1,390 (11%)	1,637 (9.2%)
Traumatic Scars	1,021 (9%)	955 (7%)	1,068 (6.0%)
Corneal Decompensation, Etiology Unknown	1,024 (9%)	782 (6%)	838 (4.7%)
Corneal Perforation	417 (3%)	474 (4%)	550 (3.1%)
Stromal Dystrophies	343 (3%)	361 (3%)	401 (2.2%)
Interstitial Keratitis	342 (3%)	405 (3%)	383 (2.1%)
Herpes Simplex	312 (3%)	318 (2%)	309 (1.7%)
Aphakic Bullous Keratopathy	N/A	N/A	1,354 (7.6%)
Corneal Ulcer	N/A	N/A	431 (2.4%)
Phakic Bullous Keratopathy	N/A	N/A	1,400 (7.8%)
Pseudophakic Bullous Keratopathy	N/A	N/A	3,541 (19.8%)
TOTAL REPORTED:	**11,686**	**13,103**	**17,872**

Exported Tissue	1990
USA	11,736
Canada	94
South America	2,374
Other Foreign Countries	1,540

Gratis Tissue	1990
USA	2,530
Canada	99
South America	3,169
Other Foreign Countries	556

SUMMARY BY CITY

CITY	TOTAL DONATIONS	LOCAL GRAFTS	LOCAL RES/TRG	EXPORTED GRAFTS	EXPORTED RES/TRG	TOTAL CORNEA GRAFTS	TOTAL ~~GRAFTS~~ Grafts
ABILENE	10			6	4	6	
ALBANY	234	107	90	13		120	1
ALBUQUERQUE	220	58	16	2	126	60	2
AMARILLO	70	32		5	3	37	1
ANN ARBOR	3,017	1,757	1,150	66		1,823	12
ATLANTA	1,670	890	635	4	2	894	4
AUGUSTA	284	24	202	51		75	5
AUSTIN	206	108	12	63		171	
BALTIMORE	2,801	240	1,089	664	160	904	2
BATON ROUGE	77	17	32	16	2	33	6
BETHLEHEM	616	256	360			256	616
BIRMINGHAM	1,897	630	346	469	157	1,099	114
BOISE	191	48	80	48	4	96	17
BOSTON	2,662	910	688	682	71	1,592	25
BUFFALO	300	174	21	27		201	
CALGARY	280	168	79	8	2	176	8
CANTON	110	56	37	7		63	4
CHATTANOOGA	196	94	57			94	15
CINCINNATI	1,317	203	550	252	242	455	141
CLEVELAND	1,436	476	466	113	261	589	48
COLUMBIA	2,135	288	1,124	723		1,011	263
COLUMBUS	1,090	346	960	42	15	388	5
CORPUS CHRISTI	199	83	4	61	18	144	54
DALLAS	543	323	166	60		383	55
DAYTON	878	83	481	297	2	380	5
DENVER	134		46		44		

SUMMARY BY CITY

CITY	TOTAL DONATIONS	LOCAL GRAFTS	LOCAL RES/TRG	EXPORTED GRAFTS	EXPORTED RES/TRG	TOTAL CORNEA GRAFTS	TOTAL ~~GRAFTS~~ grafts
DENVER-LIONS	1,880	431	459	347	73	778	29
EL PASO	142	73	4	52	2	125	8
ERIE	118	5	8	3	28	8	
FORT WORTH	287	126	97	1		127	7
FRESNO	340	100	2	208		308	111
GAINESVILLE	756	142	388	53		195	35
HERSHEY	126	35	71	5	2	40	
HONOLULU	30	26				26	
HOUSTON	3,954	736	1,234	1,729	14	2,465	224
INDIANAPOLIS	150	74	47	11	2	85	
INDIANAPOLIS-LIONS	796	127	549	63		190	3
IOWA CITY	514	249	224	11		260	14
IRVINE UC	201	43	121	20	8	63	10
JACKSON	158	130	16	8	2	138	
KANSAS CITY-KS	606	132	421	52		184	
KANSAS CITY-MO	1,072	167	673	129	45	296	10
KNOXVILLE	201	131	37	5	24	136	4
LACKLAND AFB	26	20	6			20	20
LEXINGTON	360	183	114	59		242	17
LITTLE ROCK	316	156	144	13	3	169	5
LITTLE ROCK-LIONS	32	1	7	9	6	10	2
LOMA LINDA	909	207	195	370	55	577	104
LOS ANGELES-TBI	3,298	1,151	817	918	21	2,069	224
LOS ANGELES-UCLA	66	52	14			52	
LOUISVILLE	386	251	127	6	2	257	4
LUBBOCK	86	15	26	35	6	50	10
MADISON	1,925	290	1,225	387		677	127

SUMMARY BY CITY

CITY	TOTAL DONATIONS	LOCAL GRAFTS	LOCAL RES/TRG	EXPORTED GRAFTS	EXPORTED RES/TRG	TOTAL CORNEA GRAFTS	gratis TOTAL ~~GRAFTS~~
MANHASSET	170	83	26	27		110	11
MEMPHIS	530	170	309			170	14
MIAMI	2,631	1,381	742	378		1,759	1,889
MILWAUKEE	1,590	201	1,354	11	6	212	5
MINNEAPOLIS	2,421	562	1,476	246	128	808	171
MISSOULA	550	80	251	167	37	247	105
NASHVILLE	186	144	12	21	2	165	14
NEW BRITAIN	744	295	364	68	2	363	
NEW ORLEANS	298	136	110	25		161	60
NEW YORK	1,046	604	332	13		617	11
NEWARK	434	175	105			175	3
NORFOLK	487	80	305	149		229	8
NORMAL	154	48	26	41	20	89	7
OKLAHOMA CITY	365	197	29	21		218	2
OMAHA	841	295	182	172	143	467	145
ONTARIO	1,856	1,117	625			1,117	10
ORANGE COUNTY-TBI	826	198	233	276	31	474	10
ORLANDO	2,198	501	341	353	660	854	13
PHILADELPHIA	1,048	378	588	6	8	384	
PHOENIX	3,046	554	364	968	640	1,522	562
PITTSBURGH	466	374	382	15	139	389	1
PORTLAND	238	41	198	19		60	5
PORTLAND-LIONS	2,181	231	1,824	122	120	353	62
RICHMOND	956	255	304	182	194	437	38
ROANOKE	143	54	87			54	
ROCHESTER-MN	663	55	586	22		77	3
ROCHESTER-NY	1,451	159	477	222	551	381	44

SUMMARY BY CITY

CITY	TOTAL DONATIONS	LOCAL GRAFTS	LOCAL RES/TRG	EXPORTED GRAFTS	EXPORTED RES/TRG	TOTAL CORNEA GRAFTS	TOTAL ~~GRAFTS~~ Gratis
SACRAMENTO	535	255	200	18	2	273	10
SALT LAKE CITY	556	352	126	40	4	392	27
SAN ANTONIO	545	267	152	36	2	303	8
SAN DIEGO	2,053	417	697	328	244	745	11
SAN FRANCISCO	824	408	265	46		454	41
SAN JUAN	102	98	2	4		102	40
SASKATOON	129	83		2		85	2
SEABROOK	742	91	237	369	20	460	10
SEATTLE	2,596	541	1,035	180	480	721	163
SHEFFIELD	51	1	16	5	22	6	2
SHREVEPORT	366	102	34	58		160	4
SIOUX FALLS	123	14	20	23		37	
SOUTH CHARLESTON	297	155	42	128	2	283	1
SPRINGFIELD	106	31	60	9		40	38
ST. LOUIS	998	366	523	77	10	443	17
SYRACUSE	479	188	170	53		241	6
TAMPA	2,435	391	223	990	578	1,381	278
TEMPLE	41	15	7	1		16	
TOLEDO	76	48	2	54		102	6
TYLER	20	4		7	7	11	16
VANCOUVER	785	367	272	4		371	4
WASHINGTON	271	14	195	44		58	2
WEST COLUMBIA	504	140	218	86	34	226	31
WICHITA	210	101	22	30	35	131	4
WILMINGTON	507	87	74	142	6	229	
WINNIPEG	277	111	141	9		120	
WINSTON-SALEM	1,621	708	631	44	118	752	69
107	86,076	26,147	32,713	14,484	5,651	40,631	6,354